

d his

(FILE 'HOME' ENTERED AT 11:06:14 ON 28 APR 2003)

FILE 'REGISTRY' ENTERED AT 11:08:17 ON 28 APR 2003  
L1 7S FEIKKWSAVALWAW/SQSP

FILE 'REGISTRY' ENTERED AT 11:11:17 ON 28 APR 2003  
L2 1S 301597-69-3/RN  
SET NOTICE I DISPLAY  
SET NOTICE LOGIN DISPLAY

=> s FEIKKWSAVALWAWdivvdncaincrnhimdl/sqsp  
L3 7 FEIKKWSAVALWAWDIVVDNCAICRNHIMDL/SQSP

=> d his

(FILE 'HOME' ENTERED AT 13:44:09 ON 28 APR 2003)

FILE 'REGISTRY' ENTERED AT 13:44:38 ON 28 APR 2003  
L1 2S FEIKKWNATALWQWDIVVDNCAICRNHIM/SQSP  
L2 5S FEIKKWTAVAFWSWDIAVDNCAICRNHIM/SQSP

> d his

(FILE 'HOME' ENTERED AT 18:41:55 ON 28 APR 2003)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI,  
BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA,  
CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB,  
DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 18:42:27 ON  
28 APR 2003

SEA (RING? (S) PROTEIN (S) UBIQUIT?) OR ((RBX? OR ROC? OR HRT?)

-----  
3 FILE ADISINSIGHT  
1 FILE ADISNEWS  
16 FILE AGRICOLA  
80 FILE AQUASCI  
5 FILE BIOBUSINESS  
1 FILE BIOCOMMERCE  
528 FILE BIOSIS  
11 FILE BIOTECHABS  
11 FILE BIOTECHDS  
303 FILE BIOTECHNO  
57 FILE CABA  
178 FILE CANCERLIT  
831 FILE CAPLUS  
2 FILE CEABA-VTB  
29 FILE CEN  
4 FILE CIN  
1 FILE CONFSCI  
1 FILE CROPU  
1 FILE DDFB  
2 FILE DDFU  
85 FILE DGENE  
1 FILE DRUGB  
3 FILE DRUGNL  
6 FILE DRUGU  
3 FILE DRUGUPDATES  
23 FILE EMBAL  
394 FILE EMBASE  
350 FILE ESBIOBASE  
55\* FILE FEDRIP  
1 FILE FSTA  
929 FILE GENBANK  
1 FILE HEALSAFE  
8 FILE IFIPAT  
39 FILE JICST-EPLUS

241 FILE LIFESCI  
420 FILE MEDLINE  
1 FILE NIOSHTIC  
54 FILE NTIS  
1 FILE NUTRACEUT  
34 FILE OCEAN  
221 FILE PASCAL  
2 FILE PHAR  
1 FILE PHARMAML  
9 FILE PHIN  
1575 FILE PROMT  
781 FILE SCISEARCH  
147 FILE TOXCENTER  
4379 FILE USPATFULL  
71 FILE USPAT2  
11 FILE WPIDS  
11 FILE WPINDEX  
476 FILE NLDB

L1      QUE (RING? (S) PROTEIN (S) UBIQUIT?) OR ((RBX? OR ROC? OR HRT?)  
-----

FILE 'USPATFULL, PROMT, GENBANK, CAPLUS, SCISEARCH, BIOSIS, NLDB,  
MEDLINE, EMBASE, ESBIOBASE, BIOTECHNO, LIFESCI, PASCAL, CANCERLIT,  
TOXCENTER' ENTERED AT 18:45:28 ON 28 APR 2003

L2      11753 S (RING? (S) PROTEIN (S) UBIQUIT?) OR ((RBX? OR ROC? OR HRT?) A  
L3      11 S RING? (S) H2? (S) CULLI? (S) UBIQUIT? (S) (CLON? OR ISOLA? OR  
L4      2 DUP REM L3 (9 DUPLICATES REMOVED)  
L5      55 S (RBX? OR HRT? OR ROC?) (S) CULLI? (S) UBIQUIT? (S) (CLON? OR  
L6      13 DUP REM L5 (42 DUPLICATES REMOVED)

Welcome to STN International! Enter x:x

LOGINID:ssspta1652dmr

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* \* \* \* \* \* Welcome to STN International \* \* \* \* \* \* \* \* \*

NEWS 1	Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 Apr 08	"Ask CAS" for self-help around the clock
NEWS 3 Jun 03	New e-mail delivery for search results now available
NEWS 4 Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 5 Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS 6 Aug 26	Sequence searching in REGISTRY enhanced
NEWS 7 Sep 03	JAPIO has been reloaded and enhanced
NEWS 8 Sep 16	Experimental properties added to the REGISTRY file
NEWS 9 Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS 10 Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS 11 Oct 24	BEILSTEIN adds new search fields
NEWS 12 Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 13 Nov 18	DKILIT has been renamed APOLLIT
NEWS 14 Nov 25	More calculated properties added to REGISTRY
NEWS 15 Dec 04	CSA files on STN
NEWS 16 Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 17 Dec 17	TOXCENTER enhanced with additional content
NEWS 18 Dec 17	Adis Clinical Trials Insight now available on STN
NEWS 19 Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS 20 Feb 13	CANCERLIT is no longer being updated
NEWS 21 Feb 24	METADEX enhancements
NEWS 22 Feb 24	PCTGEN now available on STN
NEWS 23 Feb 24	TEMA now available on STN
NEWS 24 Feb 26	NTIS now allows simultaneous left and right truncation
NEWS 25 Feb 26	PCTFULL now contains images
NEWS 26 Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS 27 Mar 19	APOLLIT offering free connect time in April 2003
NEWS 28 Mar 20	EVENTLINE will be removed from STN
NEWS 29 Mar 24	PATDPAFULL now available on STN
NEWS 30 Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS 31 Apr 11	Display formats in DGENE enhanced
NEWS 32 Apr 14	MEDLINE Reload
NEWS 33 Apr 17	Polymer searching in REGISTRY enhanced
NEWS 34 Apr 21	Indexing from 1947 to 1956 being added to records in CA/CAPLUS
NEWS 35 Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS EXPRESS	April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 11:06:14 ON 28 APR 2003

```

=> file registry
COST IN U.S. DOLLARS          SINCE FILE      TOTAL
                                ENTRY        SESSION
FULL ESTIMATED COST          0 .84          0 .84

```

FILE 'REGISTRY' ENTERED AT 11:08:17 ON 28 APR 2003  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

**STRUCTURE FILE UPDATES:** 27 APR 2003 **HIGHEST RN** 506405-59-0  
**DICTIONARY FILE UPDATES:** 27 APR 2003 **HIGHEST RN** 506405-59-0

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

```
=> s feikkwsavalwaw/sqsp
L1          7 FEIKKWSAVALWAW/SQSP
```

=> d l1 1-7

L1 ANSWER 1 OF 7 REGISTRY COPYRIGHT 2003 ACS  
RN 482925-62-2 REGISTRY  
CN GenBank AAL13435 (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN GenBank AAL13435 (Translated from: GenBank AY052401)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR GenBank

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SOD' OR 'SOIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*

L1 ANSWER 2 OF 7 REGISTRY COPYRIGHT 2003 ACS  
RN 482187-19-9 REGISTRY  
CN GenBank AAM64477 (9CI) (CA INDEX NAME)  
OTHER NAMES:

CN GenBank AAM64477 (Translated from: GenBank AY086913)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR GenBank

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*

L1 ANSWER 3 OF 7 REGISTRY COPYRIGHT 2003 ACS  
RN 482156-39-8 REGISTRY  
CN GenBank AAM48038 (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN GenBank AAM48038 (Translated from: GenBank AY114719)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR GenBank

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*

L1 ANSWER 4 OF 7 REGISTRY COPYRIGHT 2003 ACS  
RN 481994-67-6 REGISTRY  
CN GenBank AAL62422 (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN GenBank AAL62422 (Translated from: GenBank AY072430)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR GenBank

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*

L1 ANSWER 5 OF 7 REGISTRY COPYRIGHT 2003 ACS  
RN 301597-69-3 REGISTRY  
CN Protein (Arabidopsis thaliana clone Ceres\_1565838) (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 1148: PN: EP1033405 SEQID: 26149 claimed protein  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1957 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L1 ANSWER 6 OF 7 REGISTRY COPYRIGHT 2003 ACS  
RN 301597-68-2 REGISTRY  
CN Protein (Arabidopsis thaliana clone Ceres\_1565837) (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 1147: PN: EP1033405 SEQID: 26148 claimed protein  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN

SR CA  
LC STN Files: CA, CAPLUS

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1957 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L1 ANSWER 7 OF 7 REGISTRY COPYRIGHT 2003 ACS  
RN 299244-34-1 REGISTRY  
CN 28: PN: WO0058472 FIGURE: 2C unclaimed protein (9CI) (CA INDEX NAME)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1957 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

=> FIL REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	40.26	41.10

FILE 'REGISTRY' ENTERED AT 11:11:17 ON 28 APR 2003  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2003 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 27 APR 2003 HIGHEST RN 506405-59-0  
DICTIONARY FILE UPDATES: 27 APR 2003 HIGHEST RN 506405-59-0

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> S 301597-69-3/RN

L2 1 301597-69-3/RN

=> SET NOTICE 1 DISPLAY

NOTICE SET TO 1 U.S. DOLLAR FOR DISPLAY COMMAND  
SET COMMAND COMPLETED

=> D L2 SQIDE 1-

YOU HAVE REQUESTED DATA FROM 1 ANSWERS - CONTINUE? Y/(N):Y  
THE ESTIMATED COST FOR THIS REQUEST IS 5.63 U.S. DOLLARS  
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:Y

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS  
RN 301597-69-3 REGISTRY  
CN Protein (Arabidopsis thaliana clone Ceres\_1565838) (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 1148: PN: EP1033405 SEQID: 26149 claimed protein  
FS PROTEIN SEQUENCE  
SQL 109

PATENT ANNOTATIONS (PNTE):

Sequence	Patent
Source	Reference
=====+=====	
Not Given	EP1033405
	claimed
	SEQID 26149

SEQ 1 MIPAGEASSS VAASSSNKKA KRFEIKKWSA VALWAWDIVV DNCAICRNHI  
51 MDLCIECQAN QASATSEEECT VAWGVCNHAF HFHCISRWLK TRQVCPLDNS  
101 EWEFQKYGH  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS  
1 REFERENCES IN FILE CA (1957 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

=> SET NOTICE LOGIN DISPLAY

NOTICE SET TO OFF FOR DISPLAY COMMAND  
SET COMMAND COMPLETED

=>

=> d his

(FILE 'HOME' ENTERED AT 11:06:14 ON 28 APR 2003)

FILE 'REGISTRY' ENTERED AT 11:08:17 ON 28 APR 2003  
L1 7 S FEIKKWSAVALWAW/SQSP  
FILE 'REGISTRY' ENTERED AT 11:11:17 ON 28 APR 2003  
L2 1 S 301597-69-3/RN  
SET NOTICE 1 DISPLAY  
SET NOTICE LOGIN DISPLAY

=> s FEIKKWSAVALWAWdivvdncaicrnhimdl/sqsp  
L3 7 FEIKKWSAVALWAWDIVVDNCAICRNHIMDL/SQSP

=> d ti 13 1-7  
'TI' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG - RN  
SAM - Index Name, MF, and structure - no RN

```

FIDE - All substance data, except sequence data
IDE - FIDE, but only 50 names
SQIDE - IDE, plus sequence data
SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used
SQD - Protein sequence data, includes RN
SQD3 - Same as SQD, but 3-letter amino acid codes are used
SQN - Protein sequence name information, includes RN

CALC - Table of calculated properties
EPROP - Table of experimental properties
PROP - EPROP and CALC

```

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

```

ABS -- Abstract
APPS -- Application and Priority Information
BIB -- CA Accession Number, plus Bibliographic Data
CAN -- CA Accession Number
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
IND -- Index Data
IPC -- International Patent Classification
PATS -- PI, SO
STD -- BIB, IPC, and NCL

IABS -- ABS, indented, with text labels
IBIB -- BIB, indented, with text labels
ISTD -- STD format, indented

OBIB ----- AN, plus Bibliographic Data (original)
OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations
SIBIB ----- IBIB, no citations

```

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

```

HELP DFIELDS -- To see a complete list of individual display fields.
HELP FORMATS -- To see detailed descriptions of the predefined formats.
ENTER DISPLAY FORMAT (IDE):ide

```

```

L3 ANSWER 1 OF 7 REGISTRY COPYRIGHT 2003 ACS
RN 482925-62-2 REGISTRY
CN GenBank AAL13435 (9CI) (CA INDEX NAME)
OTHER NAMES:
CN GenBank AAL13435 (Translated from: GenBank AY052401)
FS PROTEIN SEQUENCE
MF Unspecified
CI MAN
SR GenBank

```

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

```

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

```

```
L3 ANSWER 2 OF 7 REGISTRY COPYRIGHT 2003 ACS
```

RN 482187-19-9 REGISTRY  
CN GenBank AAM64477 (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN GenBank AAM64477 (Translated from: GenBank AY086913)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR GenBank

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*

L3 ANSWER 3 OF 7 REGISTRY COPYRIGHT 2003 ACS  
RN 482156-39-8 REGISTRY  
CN GenBank AAM48038 (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN GenBank AAM48038 (Translated from: GenBank AY114719)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR GenBank

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*

L3 ANSWER 4 OF 7 REGISTRY COPYRIGHT 2003 ACS  
RN 481994-67-6 REGISTRY  
CN GenBank AAL62422 (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN GenBank AAL62422 (Translated from: GenBank AY072430)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR GenBank

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*

L3 ANSWER 5 OF 7 REGISTRY COPYRIGHT 2003 ACS  
RN 301597-69-3 REGISTRY  
CN Protein (Arabidopsis thaliana clone Ceres\_1565838) (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 1148: PN: EP1033405 SEQID: 26149 claimed protein  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1957 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L3 ANSWER 6 OF 7 REGISTRY COPYRIGHT 2003 ACS  
RN 301597-68-2 REGISTRY  
CN Protein (Arabidopsis thaliana clone Ceres\_1565837) (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 1147: PN: EP1033405 SEQID: 26148 claimed protein

FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1957 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L3 ANSWER 7 OF 7 REGISTRY COPYRIGHT 2003 ACS  
RN 299244-34-1 REGISTRY  
CN 28: PN: WO0058472 FIGURE: 2C unclaimed protein (9CI) (CA INDEX NAME)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1957 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

=> s FEIKKWSAVALWAWdivvdncaicrnhimdl/sqsp and arabi?  
'/BI' NOT VALID IN A SEQUENCE QUERY  
The field code specified is not valid in a sequence query. For more  
information, enter "HELP SSQ" at an arrow prompt (>).

=> s FEIKKWSAVALWAWdivvdncaicrnhimdl/sqsp and arabi?/nte  
0 FEIKKWSAVALWAWDIVVDNCAICRNHIMDL/SQSP  
523 ARABI?/NTE  
L4 0 FEIKKWSAVALWAWDIVVDNCAICRNHIMDL/SQSP AND ARABI?/NTE

=> s FEIKKWSAVALWAWdivvdncaicrnhimdl/sqsp and thaliana/nte  
0 FEIKKWSAVALWAWDIVVDNCAICRNHIMDL/SQSP  
0 THALIANA/NTE  
L5 0 FEIKKWSAVALWAWDIVVDNCAICRNHIMDL/SQSP AND THALIANA/NTE

=> FIL REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	110.53	151.63

FILE 'REGISTRY' ENTERED AT 11:19:21 ON 28 APR 2003  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
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STRUCTURE FILE UPDATES: 27 APR 2003 HIGHEST RN 506405-59-0  
DICTIONARY FILE UPDATES: 27 APR 2003 HIGHEST RN 506405-59-0

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

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<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> S 301597-68-2/RN

L6 1 301597-68-2/RN

=> SET NOTICE 1 DISPLAY

NOTICE SET TO 1 U.S. DOLLAR FOR DISPLAY COMMAND  
SET COMMAND COMPLETED

=> D L6 SQIDE 1-

YOU HAVE REQUESTED DATA FROM 1 ANSWERS - CONTINUE? Y/(N):Y  
THE ESTIMATED COST FOR THIS REQUEST IS 5.63 U.S. DOLLARS  
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:Y

L6 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS  
RN 301597-68-2 REGISTRY  
CN Protein (Arabidopsis thaliana clone Ceres\_1565837) (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 1147: PN: EP1033405 SEQID: 26148 claimed protein  
FS PROTEIN SEQUENCE  
SQL 118

PATENT ANNOTATIONS (PNTE):  
Sequence | Patent  
Source | Reference  
=====+=====+  
Not Given | EP1033405  
| claimed  
| SEQID 26148

SEQ 1 MATLDSVTM IPAGEASSV AASSSNKKAK RFEIKKWSAV ALWAWDIVVD  
51 NCAICRNHIM DLCIECQANQ ASATSEECTV AWGVCNHAFH FHCISRWLKT  
101 RQVCPLDNSE WEFQKYGV

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS  
1 REFERENCES IN FILE CA (1957 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

=> SET NOTICE LOGIN DISPLAY

NOTICE SET TO OFF FOR DISPLAY COMMAND  
SET COMMAND COMPLETED

=>

=> log h  
COST IN U.S. DOLLARS  
FULL ESTIMATED COST

SINCE FILE ENTRY	TOTAL SESSION
7.23	158.86

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 11:21:50 ON 28 APR 2003

Welcome to STN International! Enter x:x

LOGINID: ssspta1652dmr

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
 NEWS 2 Apr 08 "Ask CAS" for self-help around the clock  
 NEWS 3 Jun 03 New e-mail delivery for search results now available  
 NEWS 4 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN  
 NEWS 5 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)  
     now available on STN  
 NEWS 6 Aug 26 Sequence searching in REGISTRY enhanced  
 NEWS 7 Sep 03 JAPIO has been reloaded and enhanced  
 NEWS 8 Sep 16 Experimental properties added to the REGISTRY file  
 NEWS 9 Sep 16 CA Section Thesaurus available in CAPLUS and CA  
 NEWS 10 Oct 01 CASREACT Enriched with Reactions from 1907 to 1985  
 NEWS 11 Oct 24 BEILSTEIN adds new search fields  
 NEWS 12 Oct 24 Nutraceuticals International (NUTRACEUT) now available on STN  
 NEWS 13 Nov 18 DKLIT has been renamed APOLLIT  
 NEWS 14 Nov 25 More calculated properties added to REGISTRY  
 NEWS 15 Dec 04 CSA files on STN  
 NEWS 16 Dec 17 PCTFULL now covers WP/PCT Applications from 1978 to date  
 NEWS 17 Dec 17 TOXCENTER enhanced with additional content  
 NEWS 18 Dec 17 Adis Clinical Trials Insight now available on STN  
 NEWS 19 Jan 29 Simultaneous left and right truncation added to COMPENDEX,  
     ENERGY, INSPEC  
 NEWS 20 Feb 13 CANCERLIT is no longer being updated  
 NEWS 21 Feb 24 METADEX enhancements  
 NEWS 22 Feb 24 PCTGEN now available on STN  
 NEWS 23 Feb 24 TEMA now available on STN  
 NEWS 24 Feb 26 NTIS now allows simultaneous left and right truncation  
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     structures available in REGISTRY  
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 NEWS 33 Apr 17 Polymer searching in REGISTRY enhanced  
 NEWS 34 Apr 21 Indexing from 1947 to 1956 being added to records in CA/CAPLUS  
 NEWS 35 Apr 21 New current-awareness alert (SDI) frequency in  
     WPIDS/WPINDEX/WPIX  
 NEWS 36 Apr 28 RDISCLOSURE now available on STN  
  
 NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT  
     MACINTOSH VERSION IS V6.0b(ENG) AND V6.0jb(JP),  
     AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003  
 NEWS HOURS STN Operating Hours Plus Help Desk Availability  
 NEWS INTER General Internet Information  
 NEWS LOGIN Welcome Banner and News Items  
 NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
 NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that

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\* \*

FILE 'HOME' ENTERED AT 13:44:09 ON 28 APR 2003

=> file registry			
COST IN U.S. DOLLARS		SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST		0.21	0.21

FILE 'REGISTRY' ENTERED AT 13:44:38 ON 28 APR 2003  
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 27 APR 2003 HIGHEST RN 506405-59-0  
DICTIONARY FILE UPDATES: 27 APR 2003 HIGHEST RN 506405-59-0

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> s feikkwnavalwqwdvvdncaicrnhim/sqsp  
L1 2 FEIKKWNALWQWDIVVDNCAICRNHIM/SQSP

=> d l1 1-2

L1 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2003 ACS  
RN 486914-68-5 REGISTRY  
CN GenBank AAD54393 (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN GenBank AAD54393 (Translated from: GenBank AF179228)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR GenBank

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*

L1 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2003 ACS  
RN 299244-35-2 REGISTRY  
CN 29: PN: WO0058472 FIGURE: 2C unclaimed protein (9CI) (CA INDEX NAME)  
FS PROTEIN SEQUENCE

MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
    1 REFERENCES IN FILE CA (1957 TO DATE)  
    1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

=> s feikkwtavafwsdiavdncaicrnhim/sqsp  
L2       5 FEIKKWTAVAFWSWDIAVDNCAICRNHIM/SQSP

=> d 12 1-5

L2 ANSWER 1 OF 5 REGISTRY COPYRIGHT 2003 ACS  
RN 486663-71-2 REGISTRY  
CN GenBank CAA99155 (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN GenBank CAA99155 (Translated from: GenBank Z74876)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR GenBank

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*

L2 ANSWER 2 OF 5 REGISTRY COPYRIGHT 2003 ACS  
RN 459576-78-4 REGISTRY  
CN GenBank X95465-derived protein GI 1628443 (9CI) (CA INDEX NAME)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*

L2 ANSWER 3 OF 5 REGISTRY COPYRIGHT 2003 ACS  
RN 299244-36-3 REGISTRY  
CN 30: PN: WO0058472 FIGURE: 2C unclaimed protein (9CI) (CA INDEX NAME)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
    1 REFERENCES IN FILE CA (1957 TO DATE)  
    1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 4 OF 5 REGISTRY COPYRIGHT 2003 ACS  
RN 289917-95-9 REGISTRY  
CN 3: PN: WO0050445 FIG: 2 unclaimed protein (9CI) (CA INDEX NAME)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA

LC STN Files: CA, CAPLUS, TOXCENTER

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1957 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 5 OF 5 REGISTRY COPYRIGHT 2003 ACS  
RN 182514-18-7 REGISTRY  
CN Protein (Saccharomyces cerevisiae clone pEOA461 gene AOAA121) (9CI) (CA  
INDEX NAME)  
OTHER NAMES:  
CN 1: PN: WO0050445 SEQID: 2 unclaimed protein  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER

\*\*RELATED SEQUENCES AVAILABLE WITH SEOLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SOIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
2 REFERENCES IN FILE CA (1957 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

=> d his

(FILE 'HOME' ENTERED AT 13:44:09 ON 28 APR 2003)

FILE 'REGISTRY' ENTERED AT 13:44:38 ON 28 APR 2003  
L1 2 S FEIKKWNNAVALWQWDIVVDNCACRNRHM/SQSP  
L2 5 S FEIKKWTAVAFWSWDIAVDNCACRNRHM/SOSP

=> log h  
COST IN U.S. DOLLARS  
SINCE FILE TOTAL  
ENTRY SESSION  
FULL ESTIMATED COST 77.56 77.77

SESSION WILL BE HELD FOR 60 MINUTES  
STN INTERNATIONAL SESSION SUSPENDED AT 14:03:58 ON 28 APR 2003

Welcome to STN International! Enter x:x

LOGINTD: ssspta1652dmr

**PASSWORD :-**

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* \* \* \* \* \* Welcome to STN International \* \* \* \* \* \* \* \* \* \*

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 Apr 08 "Ask CAS" for self-help around the clock  
NEWS 3 Jun 03 New e-mail delivery for search results now available  
NEWS 4 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN  
NEWS 5 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)  
now available on STN  
NEWS 6 Aug 26 Sequence searching in REGISTRY enhanced  
NEWS 7 Sep 03 JAPIO has been reloaded and enhanced  
NEWS 8 Sep 16 Experimental properties added to the REGISTRY file  
NEWS 9 Sep 16 CA Section Thesaurus available in CAPLUS and CA

NEWS 10 Oct 01 CASREACT Enriched with Reactions from 1907 to 1985  
NEWS 11 Oct 24 BEILSTEIN adds new search fields  
NEWS 12 Oct 24 Nutraceuticals International (NUTRACEUT) now available on STN  
NEWS 13 Nov 18 DKLIT has been renamed APOLLIT  
NEWS 14 Nov 25 More calculated properties added to REGISTRY  
NEWS 15 Dec 04 CSA files on STN  
NEWS 16 Dec 17 PCTFULL now covers WP/PCT Applications from 1978 to date  
NEWS 17 Dec 17 TOXCENTER enhanced with additional content  
NEWS 18 Dec 17 Adis Clinical Trials Insight now available on STN  
NEWS 19 Jan 29 Simultaneous left and right truncation added to COMPENDEX,  
ENERGY, INSPEC  
NEWS 20 Feb 13 CANCERLIT is no longer being updated  
NEWS 21 Feb 24 METADEX enhancements  
NEWS 22 Feb 24 PCTGEN now available on STN  
NEWS 23 Feb 24 TEMA now available on STN  
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NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT  
MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),  
AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003  
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NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 18:41:55 ON 28 APR 2003

=> index bioscience medicine  
FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED  
COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE ENTRY	TOTAL SESSION
0.21	0.21

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDHS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROB, CROPU, DDFB, DDFU, DGENE,

DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 18:42:27 ON 28 APR 2003

69 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view  
search error messages that display as 0\* with SET DETAIL OFF.

```
=> s (ring? (s) protein (s) ubiquit?) or ((rbx? or roc? or hrt?) and ubiquit?)  
      3   FILE ADISINSIGHT  
      1   FILE ADISNEWS  
     16   FILE AGRICOLA  
    80   FILE AQUASCI  
      5   FILE BIOBUSINESS  
      1   FILE BIOCOMMERCE  
   528   FILE BIOSIS  
     11   FILE BIOTECHABS  
     11   FILE BIOTECHDHS  
  303   FILE BIOTECHNO  
     57   FILE CABA  
  178   FILE CANCERLIT  
  831   FILE CAPLUS  
      2   FILE CEABA-VTB  
16 FILES SEARCHED...  
   29   FILE CEN  
     4   FILE CIN  
     1   FILE CONFSCI  
     1   FILE CROPU  
     1   FILE DDFB  
     2   FILE DDFU  
   85   FILE DGENE  
     1   FILE DRUGB  
     3   FILE DRUGNL  
     6   FILE DRUGU  
     3   FILE DRUGUPDATES  
   23   FILE EMBAL  
  394   FILE EMBASE  
  350   FILE ESBIOBASE  
33 FILES SEARCHED...  
  55*   FILE FEDRIP  
     1   FILE FSTA  
  929   FILE GENBANK  
     1   FILE HEALSAFE  
     8   FILE IFIPAT  
   39   FILE JICST-EPLUS  
  241   FILE LIFESCI  
  420   FILE MEDLINE  
     1   FILE NIOSHTIC  
   54   FILE NTIS  
     1   FILE NUTRACEUT  
   34   FILE OCEAN  
  221   FILE PASCAL  
51 FILES SEARCHED...  
     2   FILE PHAR  
     1   FILE PHARMAML  
     9   FILE PHIN  
 1575   FILE PROMT  
  781   FILE SCISEARCH  
  147   FILE TOXCENTER  
 4379   FILE USPATFULL  
   71   FILE USPAT2  
   11   FILE WPIDS  
   11   FILE WPINDEX  
66 FILES SEARCHED...  
  476   FILE NLDB
```

52 FILES HAVE ONE OR MORE ANSWERS, 69 FILES SEARCHED IN STNINDEX

L1 QUE (RING? (S) PROTEIN (S) UBIQUIT?) OR ((RBX? OR ROC? OR HRT?) AND UBIQUIT?)

=> d rank

F1	4379	USPATFULL
F2	1575	PROMT
F3	929	GENBANK
F4	831	CAPLUS
F5	781	SCISEARCH
F6	528	BIOSIS
F7	476	NLDB
F8	420	MEDLINE
F9	394	EMBASE
F10	350	ESBIOBASE
F11	303	BIOTECHNO
F12	241	LIFESCI
F13	221	PASCAL
F14	178	CANCERLIT
F15	147	TOXCENTER
F16	85	DGENE
F17	80	AQUASCI
F18	71	USPAT2
F19	57	CABA
F20	55*	FEDRIP
F21	54	NTIS
F22	39	JICST-EPLUS
F23	34	OCEAN
F24	29	CEN
F25	23	EMBAL
F26	16	AGRICOLA
F27	11	BIOTECHABS
F28	11	BIOTECHDS
F29	11	WPIDS
F30	11	WPINDEX
F31	9	PHIN
F32	8	IFIPAT
F33	6	DRUGU
F34	5	BIOBUSINESS
F35	4	CIN
F36	3	ADISINSIGHT
F37	3	DRUGNL
F38	3	DRUGUPDATES
F39	2	CEABA-VTB
F40	2	DDFU
F41	2	PHAR
F42	1	ADISNEWS
F43	1	BIOCOMMERCE
F44	1	CONFSCI
F45	1	CROPU
F46	1	DDFB
F47	1	DRUGB
F48	1	FSTA
F49	1	HEALSAFE
F50	1	NIOSHTIC
F51	1	NUTRACEUT
F52	1	PHARMAML

=> file f1-f15

COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE ENTRY	TOTAL SESSION
2.75	2.96

FILE 'USPATFULL' ENTERED AT 18:45:28 ON 28 APR 2003  
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FILE 'CANCERLIT' ENTERED AT 18:45:28 ON 28 APR 2003

FILE 'TOXCENTER' ENTERED AT 18:45:28 ON 28 APR 2003  
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```
=> s (ring? (s) protein (s) ubiquit?) or ((rbx? or roc? or hrt?) and ubiquit?)  
13 FILES SEARCHED...  
L2      11753 (RING? (S) PROTEIN (S) UBIQUIT?) OR ((RBX? OR ROC? OR HRT?) AND  
          UBIQUIT?)  
  
=> s ring? (s) h2? (s) culli? (s) ubiquit? (s) (clon? or isola? or recombiна?)  
  3 FILES SEARCHED...  
 10 FILES SEARCHED...  
 14 FILES SEARCHED...  
L3      11 RING? (S) H2? (S) CULLI? (S) UBIQUIT? (S) (CLON? OR ISOLA? OR  
          RECOMBINA?)
```

```
=> dup rem 13  
DUPLICATE IS NOT AVAILABLE IN 'GENBANK'.  
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE  
PROCESSING COMPLETED FOR L3  
L4      2 DUP REM L3 (9 DUPLICATES REMOVED)
```

=> d ti 14 1-2

L4 ANSWER 1 OF 2 SCISEARCH COPYRIGHT 2003 THOMSON ISIDUPLICATE 1  
TI The APC11 RING-H2 finger mediates E2-dependent ubiquitination

L4 ANSWER 2 OF 2 SCISEARCH COPYRIGHT 2003 THOMSON ISIDUPLICATE 2  
TI Cdc53/cullin and the essential Hrt1 RING-H2 subunit of SCF define a  
ubiquitin ligase module that activates the E2 enzyme Cdc34

=> s (rbx? or hrt? or roc?) (s) culli? (s) ubiquit? (s) (clon? or isola? or  
recombina?)  
3 FILES SEARCHED...  
11 FILES SEARCHED...  
L5 55 (RBX? OR HRT? OR ROC?) (S) CULLI? (S) UBIQUIT? (S) (CLON? OR  
ISOLA? OR RECOMBINA?)

=> dup rem 15  
DUPLICATE IS NOT AVAILABLE IN 'GENBANK'.  
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE  
PROCESSING COMPLETED FOR L5  
L6 13 DUP REM L5 (42 DUPLICATES REMOVED)

=> d ti 16 1-13

L6 ANSWER 1 OF 13 USPATFULL  
TI Compositions and methods for treatment of muscle wasting

L6 ANSWER 2 OF 13 USPATFULL  
TI Methods to identify compounds useful for the treatment of proliferative  
and differentiative disorders

L6 ANSWER 3 OF 13 SCISEARCH COPYRIGHT 2003 THOMSON ISIDUPLICATE 1  
TI The novel human DNA helicase hFBH1 is an F-box protein

L6 ANSWER 4 OF 13 SCISEARCH COPYRIGHT 2003 THOMSON ISIDUPLICATE 2  
TI SAG/ROC/Rbx/Hrt, a zinc RING finger gene family: Molecular cloning,  
biochemical properties, and biological functions

L6 ANSWER 5 OF 13 SCISEARCH COPYRIGHT 2003 THOMSON ISIDUPLICATE 3  
TI SAG/ROC2/Rbx2/Hrt2, a component of SCF E3 ubiquitin ligase: Genomic  
structure, a splicing variant, and two family pseudogenes

L6 ANSWER 6 OF 13 SCISEARCH COPYRIGHT 2003 THOMSON ISIDUPLICATE 4  
TI Elevated expression of SAG/ROC2/Rbx2/Hrt2 in human colon carcinomas: SAG  
does not induce neoplastic transformation, but antisense SAG transfection  
inhibits tumor cell growth

L6 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2003 ACS  
TI DNA encoding human cullin regulators ROC1 and ROC2, isolated proteins  
encoded by the same, and their screening and pharmacological uses

L6 ANSWER 8 OF 13 SCISEARCH COPYRIGHT 2003 THOMSON ISIDUPLICATE 5  
TI SCF beta-TRCP and phosphorylation dependent ubiquitination of I kappa B  
alpha catalyzed by Ubc3 and Ubc4

L6 ANSWER 9 OF 13 SCISEARCH COPYRIGHT 2003 THOMSON ISIDUPLICATE 6  
TI Yeast homolog of human SAG/ROC2/Rbx2/Hrt2 is essential for cell growth,  
but not for germination: chip profiling implicates its role in cell cycle  
regulation

L6 ANSWER 10 OF 13 SCISEARCH COPYRIGHT 2003 THOMSON ISIDUPLICATE 7  
TI Isolation and characterization of HRT1 using a genetic screen for mutants  
unable to degrade Gic2p in *Saccharomyces cerevisiae*

L6 ANSWER 11 OF 13 SCISEARCH COPYRIGHT 2003 THOMSON ISIDUPPLICATE 8  
TI Cdc53/cullin and the essential Hrt1 RING-H2 subunit of SCF define a  
ubiquitin ligase module that activates the E2 enzyme Cdc34

L6 ANSWER 12 OF 13 LIFESCI COPYRIGHT 2003 CSA  
TI Identification of novel F-box proteins in *Xenopus laevis*

L6 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2003 ACS  
TI ROC1, a homolog of APC11, represents a family of cullin partners with an  
associated ubiquitin ligase activity

=> d his

(FILE 'HOME' ENTERED AT 18:41:55 ON 28 APR 2003)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI,  
BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA,  
CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB,  
DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 18:42:27 ON  
28 APR 2003

SEA (RING? (S) PROTEIN (S) UBIQUIT?) OR ((RBX? OR ROC? OR HRT?))

-----  
3 FILE ADISINSIGHT  
1 FILE ADISNEWS  
16 FILE AGRICOLA  
80 FILE AQUASCI  
5 FILE BIOBUSINESS  
1 FILE BIOCOMMERCE  
528 FILE BIOSIS  
11 FILE BIOTECHABS  
11 FILE BIOTECHDS  
303 FILE BIOTECHNO  
57 FILE CABA  
178 FILE CANCERLIT  
831 FILE CAPLUS  
2 FILE CEABA-VTB  
29 FILE CEN  
4 FILE CIN  
1 FILE CONFSCI  
1 FILE CROPU  
1 FILE DDFB  
2 FILE DDFU  
85 FILE DGENE  
1 FILE DRUGB  
3 FILE DRUGNL  
6 FILE DRUGU  
3 FILE DRUGUPDATES  
23 FILE EMBAL  
394 FILE EMBASE  
350 FILE ESBIOBASE  
55\* FILE FEDRIP  
1 FILE FSTA  
929 FILE GENBANK  
1 FILE HEALSAFE  
8 FILE IFIPAT  
39 FILE JICST-EPLUS  
241 FILE LIFESCI  
420 FILE MEDLINE  
1 FILE NIOSHTIC  
54 FILE NTIS  
1 FILE NUTRACEUT  
34 FILE OCEAN  
221 FILE PASCAL

```
2   FILE PHAR
1   FILE PHARMAML
9   FILE PHIN
1575  FILE PROMT
781   FILE SCISEARCH
147   FILE TOXCENTER
4379  FILE USPATFULL
71    FILE USPAT2
11    FILE WPIDS
11    FILE WPINDEX
476   FILE NLDB
L1      QUE (RING? (S) PROTEIN (S) UBIQUIT?) OR ((RBX? OR ROC? OR HRT?)
```

FILE 'USPATFULL, PROMT, GENBANK, CAPLUS, SCISEARCH, BIOSIS, NLDB,  
MEDLINE, EMBASE, ESBIOBASE, BIOTECHNO, LIFESCI, PASCAL, CANCERLIT,  
TOX CENTER' ENTERED AT 18:45:28 ON 28 APR 2003  
L2        11753 S (RING? (S) PROTEIN (S) UBIQUIT?) OR ((RBX? OR ROC? OR HRT?) A  
L3        11 S RING? (S) H2? (S) CULLI? (S) UBIQUIT? (S) (CLON? OR ISOLA? OR  
L4        2 DUP REM L3 (9 DUPLICATES REMOVED)  
L5        55 S (RBX? OR HRT? OR ROC?) (S) CULLI? (S) UBIQUIT? (S) (CLON? OR  
L6        13 DUP REM L5 (42 DUPLICATES REMOVED)

=> log h  
COST IN U.S. DOLLARS  
SINCE FILE TOTAL  
ENTRY SESSION  
FULL ESTIMATED COST 88.56 91.52

SESSION WILL BE HELD FOR 60 MINUTES  
STN INTERNATIONAL SESSION SUSPENDED AT 18:54:16 ON 28 APR 2003